

4 PRINTED CIRCUIT BOARDS

The printed circuit boards are factory-set for operation. Usually, you do not need to set or adjust them. This chapter describes the standard settings and adjustment required if a defective printed circuit board is replaced. It also describes the test pins and the LED indications.

The controller printed circuit board includes the main unit printed circuit board and one or more cards or modules installed horizontally to the main-unit printed-circuit board.

These PC boards have interface connectors, LED indicators, and a plastic panel at the front. At the rear, there is a backplane connector.

4.1 MAIN BOARD

Card and Modules

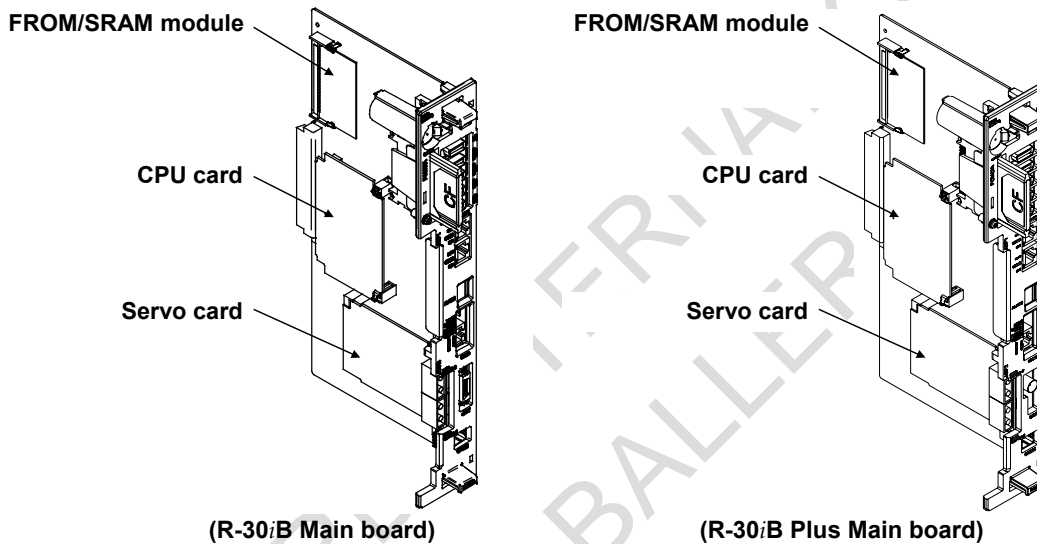


Fig.4.1(a) Main board

Name	Ordering Specification	Board Specification	Note
Main board	A05B-2600-H001	A16B-3200-0730	Standard
		A16B-3200-0780	
	A05B-2600-H002	A16B-3200-0731	Option (Force sensor)
		A16B-3200-0781	
	A05B-2600-H003	A16B-3200-0732	Option (Force sensor) (High speed com. CPU)
		A16B-3200-0782	
A05B-2600-H004	A16B-3200-0800	Standard For I/O Link <i>i</i> slave	
A05B-2600-H005	A16B-3200-0801	Option (Force sensor) For I/O Link <i>i</i> slave	
A05B-2600-H006	A16B-3200-0802	Option (Force sensor, High speed) For I/O Link <i>i</i> slave	

Name	Ordering Specification	Board Specification	Note
Main board	A05B-2670-H001 (R-30iB Plus)	A16B-3200-0810	Standard RS232C 1ch For I/O Link <i>i</i> slave
	A05B-2670-H002 (R-30iB Plus)	A16B-3200-0811	Option (Force sensor, RS232C 1ch) For I/O Link <i>i</i> slave
	A05B-2670-H003 (R-30iB Plus)	A16B-3200-0812	Option (Force sensor, High speed, RS232C 1ch) For I/O Link <i>i</i> slave
	A05B-2670-H004 (R-30iB Plus)	A16B-3200-0814	Option (RS232C 1ch, without Vision I/F) For I/O Link <i>i</i> slave
	A05B-2670-H005 (R-30iB Plus)	A16B-3200-0815	Option (Force sensor, RS232C 1ch, without Vision I/F) For I/O Link <i>i</i> slave
	A05B-2670-H006 (R-30iB Plus)	A16B-3200-0816	Option (Force sensor, High speed, RS232C 1ch, without Vision I/F) For I/O Link <i>i</i> slave
	A05B-2670-H007 (R-30iB Plus)	A16B-3200-0817	Option (Force sensor, High speed, RS232C 2ch) For I/O Link <i>i</i> slave
	A05B-2670-H008 (R-30iB Plus)	A16B-3200-0818	Option (Force sensor, High speed, RS232C 2ch, without Vision I/F) For I/O Link <i>i</i> slave
CPU card	A05B-2600-H020	A20B-3300-0686	Standard / SDRAM 32Mbyte
		A17B-3301-0106	
	A05B-2600-H021	A20B-3300-0687	Standard / SDRAM 64Mbyte
		A17B-3301-0107	
	A05B-2600-H022	A20B-3300-0688	Standard / SDRAM 128Mbyte
		A17B-3301-0108	
	A05B-2600-H023	A20B-3300-0683	High speed / SDRAM 32Mbyte
		A17B-3301-0103	
	A05B-2600-H024	A20B-3300-0684	High speed / SDRAM 64Mbyte
		A17B-3301-0104	
	A05B-2600-H025	A20B-3300-0685	High speed / SDRAM 128Mbyte
		A17B-3301-0105	
	A05B-2600-H026	A17B-3301-0109	Standard / SDRAM 32Mbyte For I/O Link <i>i</i> slave
	A05B-2600-H027	A17B-3301-0110	Standard / SDRAM 64Mbyte For I/O Link <i>i</i> slave
	A05B-2600-H028	A17B-3301-0111	Standard / SDRAM 128Mbyte For I/O Link <i>i</i> slave
A05B-2600-H029	A17B-3301-0112	High speed / SDRAM 32Mbyte For I/O Link <i>i</i> slave	
A05B-2600-H030	A17B-3301-0113	High speed / SDRAM 64Mbyte For I/O Link <i>i</i> slave	
A05B-2600-H031	A17B-3301-0114	High speed / SDRAM 32Mbyte For I/O Link <i>i</i> slave	
A05B-2670-H020 (R-30iB Plus)	A17B-3301-0250	Standard / DRAM 1GB For I/O Link <i>i</i> slave	

Name	Ordering Specification	Board Specification	Note
Servo card	A05B-2600-H040	A20B-3300-0664	6-axis
		A20B-3300-0774	
	A05B-2600-H041	A20B-3300-0663	12-axis
		A20B-3300-0773	
	A05B-2600-H042	A20B-3300-0662	18-axis
		A20B-3300-0772	
	A05B-2600-H043	A20B-3300-0661	24-axis
		A20B-3300-0771	
	A05B-2600-H044	A20B-3300-0660	36-axis
		A20B-3300-0770	
	A05B-2670-H040 (R-30iB Plus)	A20B-3300-0819	6-axis
	A05B-2670-H041 (R-30iB Plus)	A20B-3300-0818	12-axis
	A05B-2670-H042 (R-30iB Plus)	A20B-3300-0817	18-axis
	A05B-2670-H043 (R-30iB Plus)	A20B-3300-0816	24-axis
A05B-2670-H044 (R-30iB Plus)	A20B-3300-0815	36-axis	
FROM/SRAM module	A05B-2600-H060	A20B-3900-0283	FROM 32M/ SRAM 1M
		A20B-3900-0297	
	A05B-2600-H061	A20B-3900-0284	FROM 32M/ SRAM 2M
		A20B-3900-0298	
	A05B-2600-H062	A20B-3900-0285	FROM 32M/ SRAM 3M
		A20B-3900-0299	
	A05B-2600-H063	A20B-3900-0286	FROM 64M/ SRAM 1M
	A05B-2600-H064	A20B-3900-0287	FROM 64M/ SRAM 2M
	A05B-2600-H065	A20B-3900-0288	FROM 64M/ SRAM 3M
	A05B-2600-H066	A20B-3900-0280	FROM 128M/ SRAM 1M
	A05B-2600-H067	A20B-3900-0281	FROM 128M/ SRAM 2M
	A05B-2600-H068	A20B-3900-0282	FROM 128M/ SRAM 3M
	A05B-2600-H069 (R-30iB Plus)	A20B-3900-0293	FROM 256M/SRAM 1M
	A05B-2600-H070 (R-30iB Plus)	A20B-3900-0295	FROM 256M/SRAM 2M
A05B-2600-H071 (R-30iB Plus)	A20B-3900-0296	FROM 256M/SRAM 3M	